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Wellman, M.P.		
Book Review of *The Ecology of Computation* (B.A. Huberman, ed.)	**52** (1991)	205–218
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Reconstructive expert system explanation	**54** (1992)	33– 70
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A theory of interactions: unifying qualitative and quantitative algebraic reasoning	**51** (1991)	39– 94
Williams, B.C. and J. de Kleer		
Qualitative reasoning about physical systems: a return to roots	**51** (1991)	1– 9
Yang, Q.		
A theory of conflict resolution in planning	**58** (1992)	361–392
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Yeap, W.K., see Lam, F.C.	**53** (1992)	245–254
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Understanding complex dynamics by visual and symbolic reasoning	**51** (1991)	179–221
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